

Abstract

The invention relates to a method for producing alkyne diols by reacting ketones with acetylenic hydrocarbons in an organic solvent in the presence of a base which contains potassium alcoholates of primary and /or secondary alcohols. The alkyne diols are produced while forming adducts which precipitate out of the reaction mixture and which are comprised of alkyne monoalcohols and/or alkyne diols and a base. The stoichiometries of the reaction partners are selected such that gelatinous adducts are formed which comprise a spherical surface, whereby the reaction mixture remains agitable during the entire reaction.